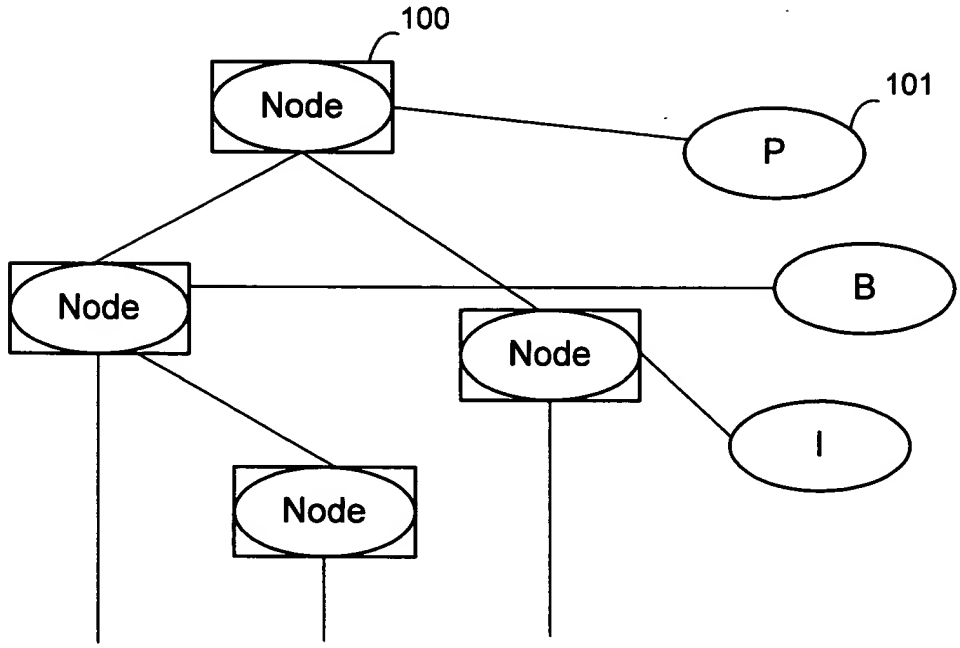
FIG. 1
PRIOR ART



<B>bold<I>and italic</B>just italic</I>

FIG. 2
PRIOR ART

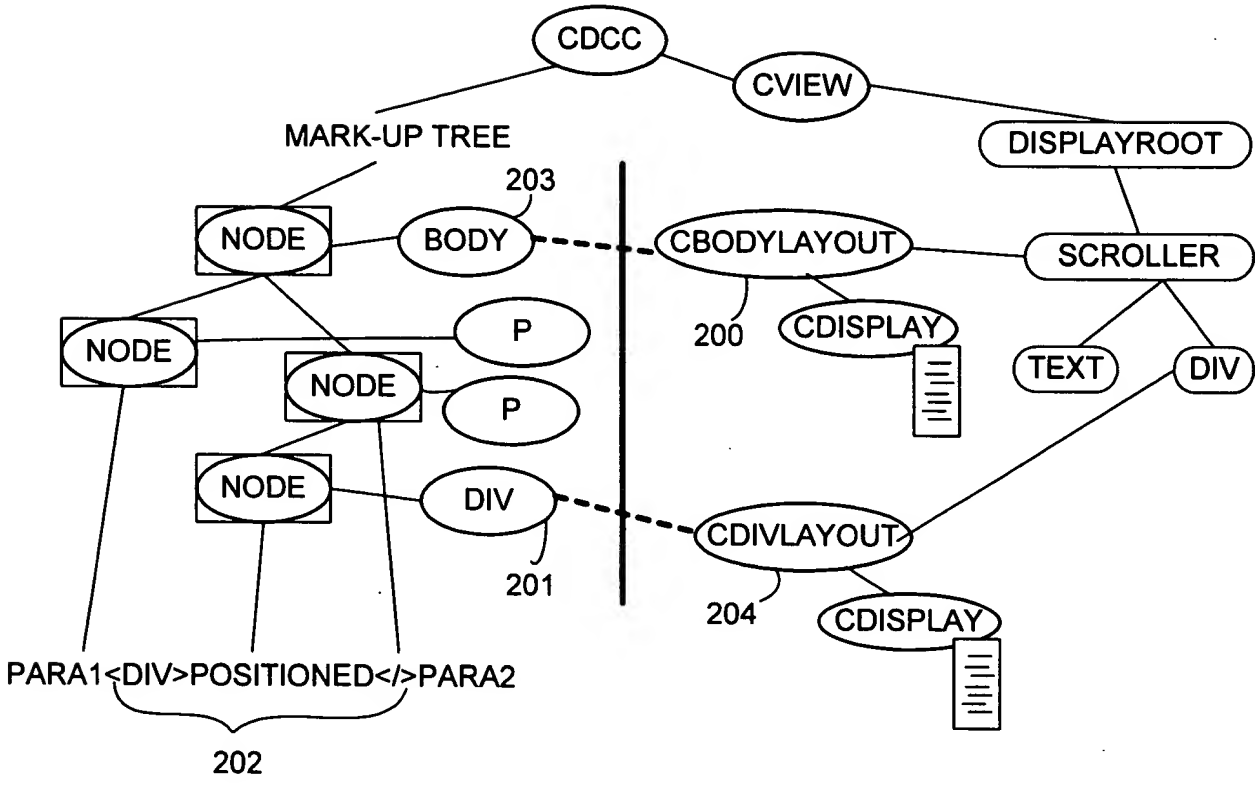


FIG. 3

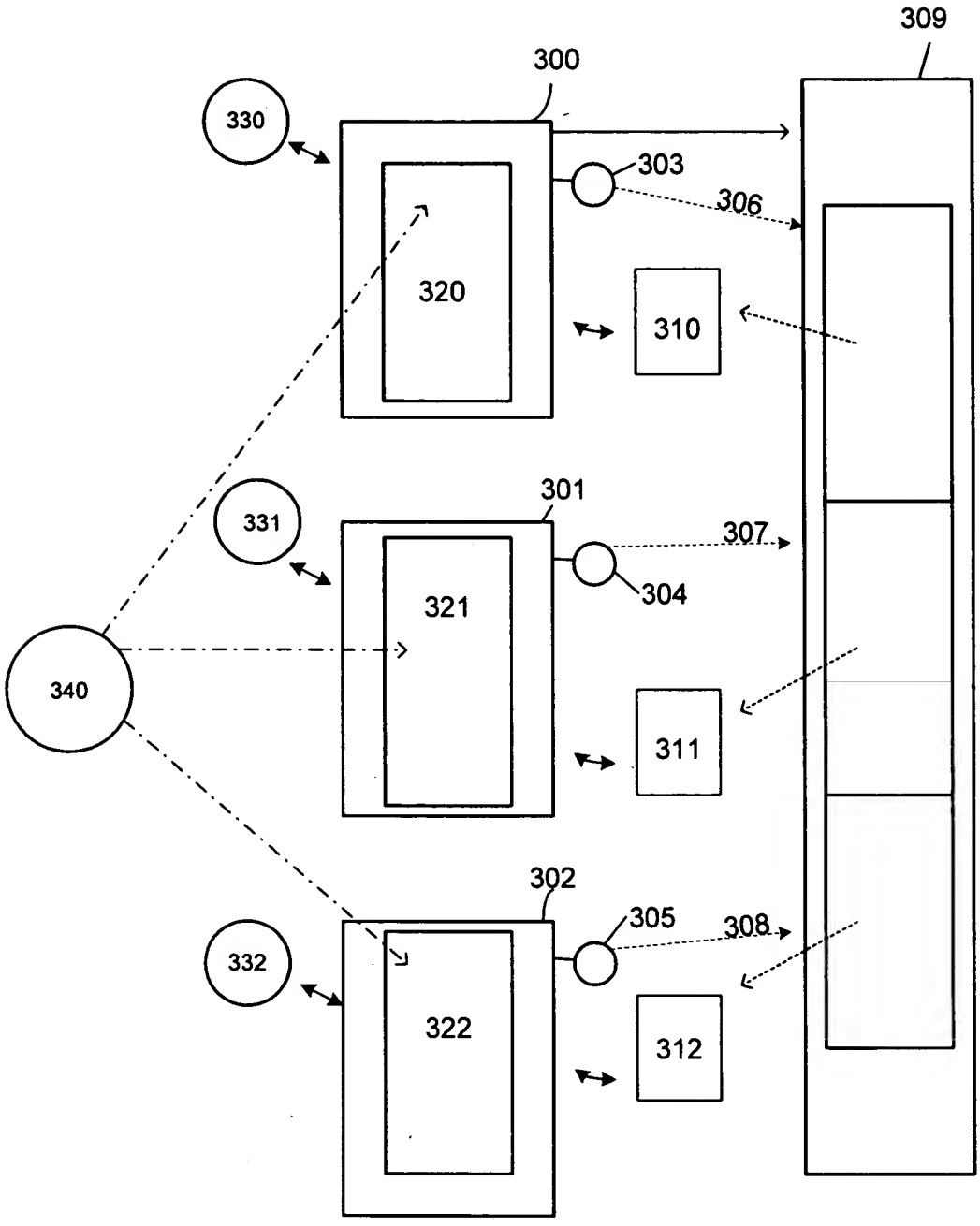
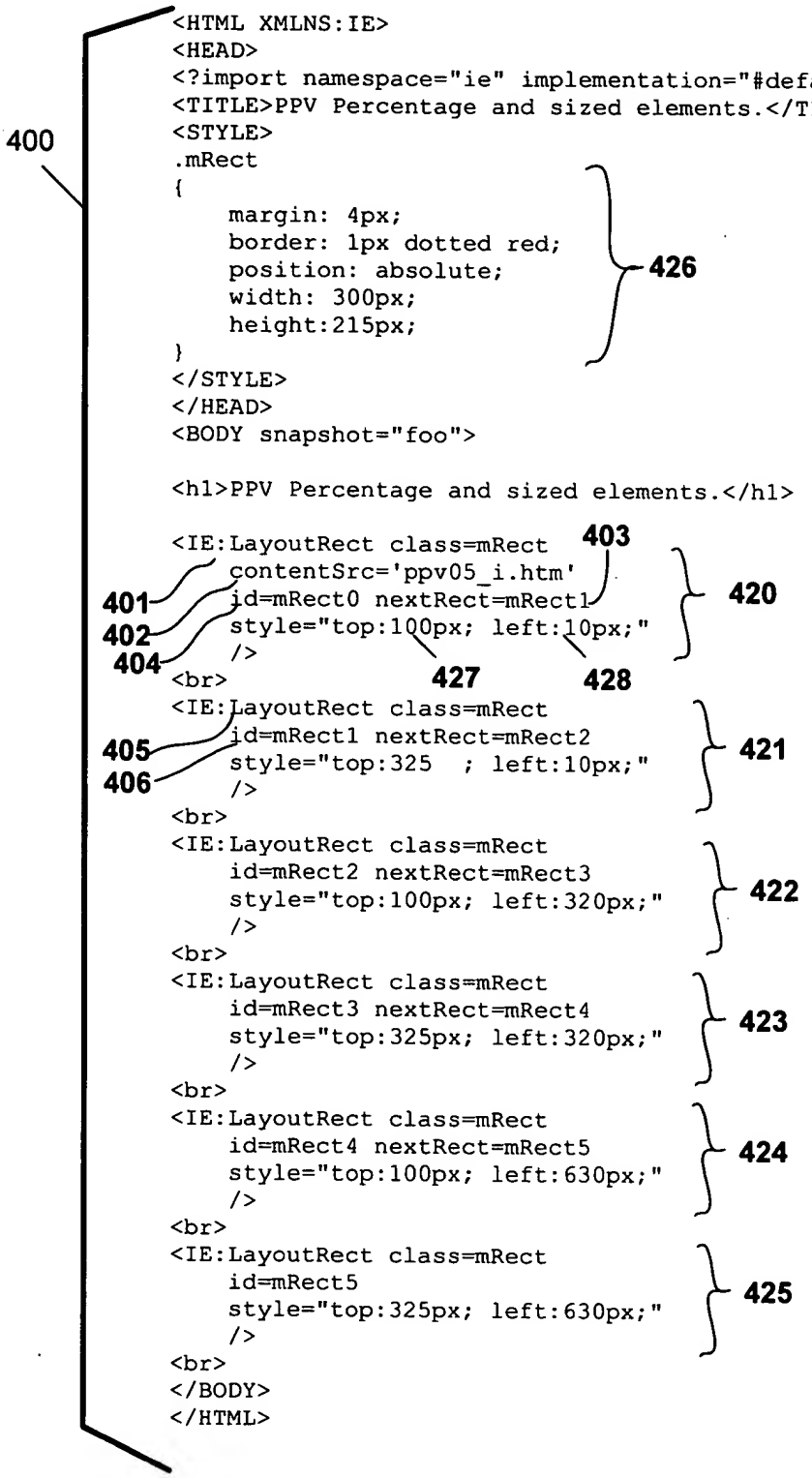

309
300
330
303
306
320
310
301
331
307
304
321
340
311
302
305
308
332
322
312

FIG. 4


400
<HTML XMLNS:IE>
<HEAD>
<?import namespace="ie" implementation="#default">
<TITLE>PPV Percentage and sized elements.</TITLE>
<STYLE>
.mRect
{
margin: 4px;
border: 1px dotted red;
position: absolute;
width: 300px;
height:215px;
}
426
</STYLE>
</HEAD>
<BODY snapshot="foo">
<h1>PPV Percentage and sized elements.</h1>
<IE:LayoutRect class=mRect
403
contentSrc='ppv05_i.htm'
401
id=mRect0 nextRect=mRect1
402
style="top:100px; left:10px;"
404
/>
420
427
428

<IE:LayoutRect class=mRect
405
id=mRect1 nextRect=mRect2
406
style="top:325 ; left:10px;"
/>
421

<IE:LayoutRect class=mRect
id=mRect2 nextRect=mRect3
style="top:100px; left:320px;"
/>
422

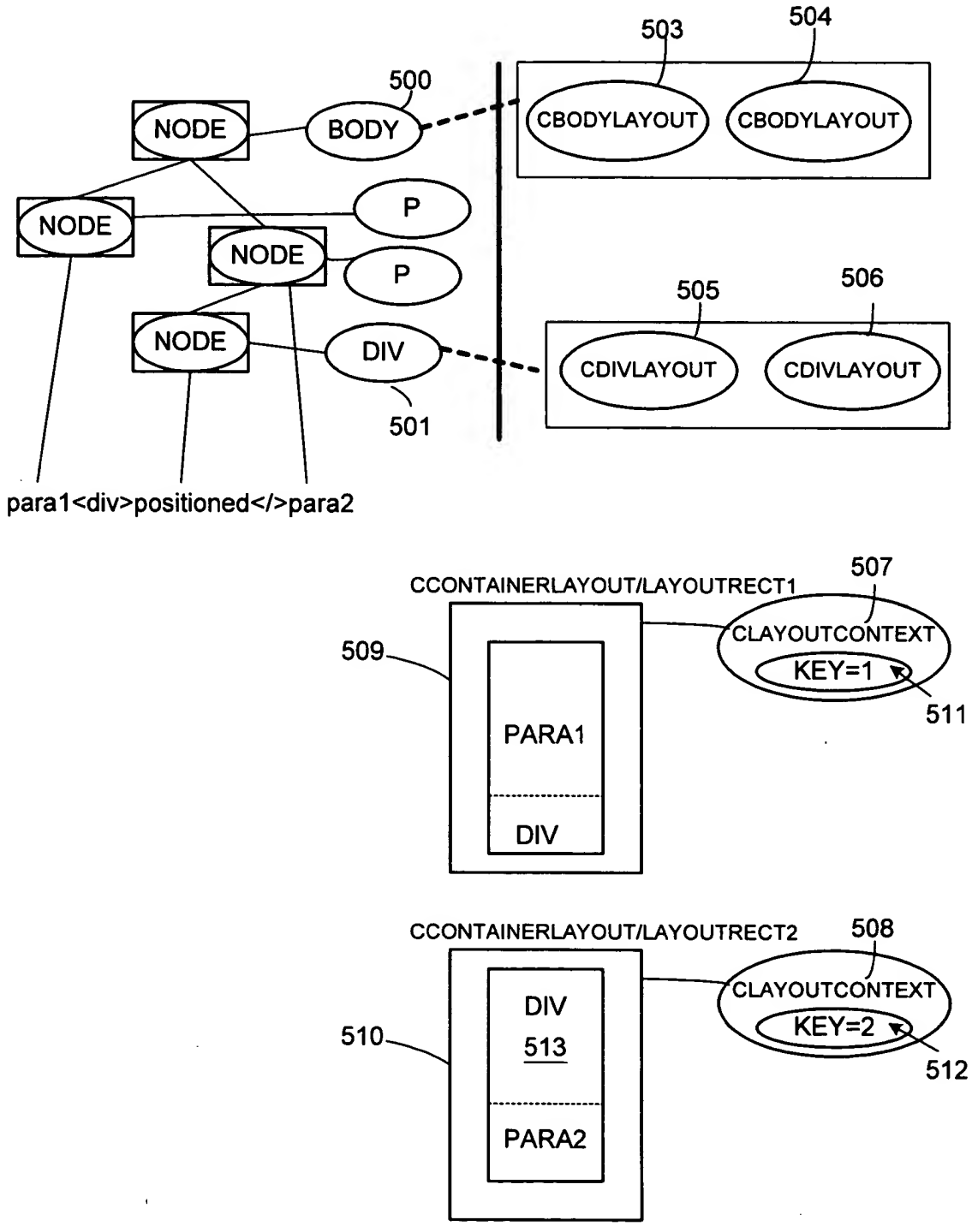
<IE:LayoutRect class=mRect
id=mRect3 nextRect=mRect4
style="top:325px; left:320px;"
/>
423

<IE:LayoutRect class=mRect
id=mRect4 nextRect=mRect5
style="top:100px; left:630px;"
/>
424

<IE:LayoutRect class=mRect
id=mRect5
style="top:325px; left:630px;"
/>
425

</BODY>
</HTML>

FIG. 5


503
504
500
NODE
BODY
CBODYLAYOUT
CBODYLAYOUT
NODE
P
NODE
P
505
506
NODE
DIV
CDIVLAYOUT
CDIVLAYOUT
501
para1 positioned</>para2
CCONTAINERLAYOUT/LAYOUTRECT1
507
CLAYOUTCONTEXT
KEY=1
509
511
PARA1
DIV
CCONTAINERLAYOUT/LAYOUTRECT2
508
CLAYOUTCONTEXT
KEY=2
510
512
DIV
513
PARA2

600

FIG. 6

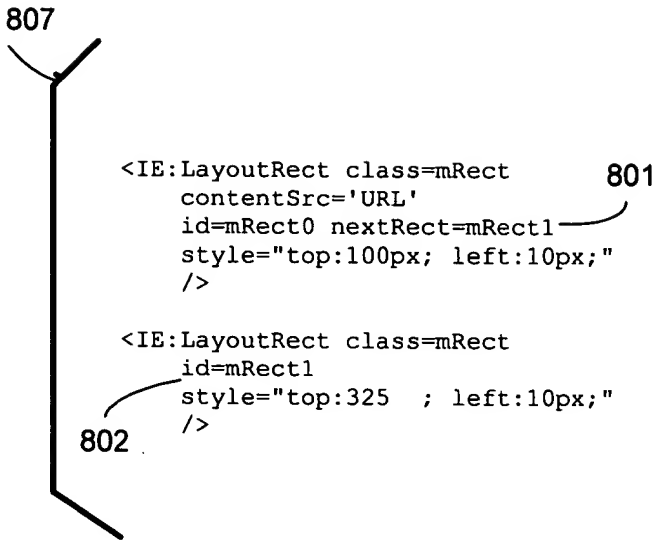
```
<html>
<head>
<title>PPV absolute positioned elements.</title>
<style>
<!--
body    { font: 9pt verdana, arial; color: #000000; background-color: #dfdfdf }
h3      { font: bold 10pt verdana, arial; color: #003366; text-align: left; margin: 5px }
p       { font: 9pt verdana, arial; color: #000000; margin: 10px; padding: 3px }
div     { font: bold 12pt verdana, arial; color: #003366; padding: 0px }
span    { font: bold 12pt verdana, arial; color: #003366; padding: 0px }
-->
</style>
</head>
<body>

<hr width=25%>

<h3>Nice, Nice, Very Nice 2</h3>

<div style="height: 200%; background-color: #ffefef">
<h3>div 200% height</h3>
    <p>"If you find your life tangled up with somebody else's
    life for no very logical reasons," writes Bokonon, "that
    person may be a member of your <i>karass</i>." </p>
    <p>At another point in The Books of Bokonon he tells us,
    "Man created the checkerboard; God created the karass."
    that he means that a karass ignores national, institutional,
    occupational, familial, and class boundaries. </p>
    <p>It is as free-form as an amoeba.</p>
    <p>In his "Fifty-third Calypso," Bokonon invites us to sing
    along with him: </p>
</div>

<hr width=25%>

<center>

<span style="height: 215px; background-color: #effffff">
<h3>span 215px height</h3>
    <p><i>
    Oh, a sleeping drunkard <br>
    Up in Central Park, <br>
    And a lion-hunter <br>
    In the jungle dark, <br>
    And Chinese dentist, <br>
    And a. British queen - <br>
    All fit together <br>
    In the same machine. <br>
    Nice, nice, very nice; <br>
    Nice, nice, very nice; <br>
    Nice, nice, very nice - <br>
    So many different people <br>
```

FIG. 7

700

```
In the same device. <br>
    </i></p>
</span>

</center>

<hr width=25%>

<div style="height: 50%; background-color: #ffefff">
<h3>div 50% height but with text overflow</h3>
    <p>
    line 00<br>
    line 01<br>
    line 02<br>
    line 03<br>
    line 04<br>
    line 05<br>
    line 06<br>
    line 07<br>
    line 08<br>
    line 09<br>
    </p>
</div>

<hr width=25%>

<div style="height: 15px; background-color: #efefff">
<h3>div 15px height but with text overflow</h3>
    <p>
    line 00<br>
    line 01<br>
    line 02<br>
    line 03<br>
    <font size=+5>
    line 04<br>
    </font>
    line 05<br>
    line 06<br>
    line 07<br>
    line 08<br>
    line 09<br>
    </p>
</div>
<hr width=25%>

</body>
</html>
```

FIG. 8


807
<IE:LayoutRect class=mRect
contentSrc='URL'
id=mRect0 nextRect=mRect1
style="top:100px; left:10px;"
/>
801
<IE:LayoutRect class=mRect
id=mRect1
style="top:325 ; left:10px;"
/>
802

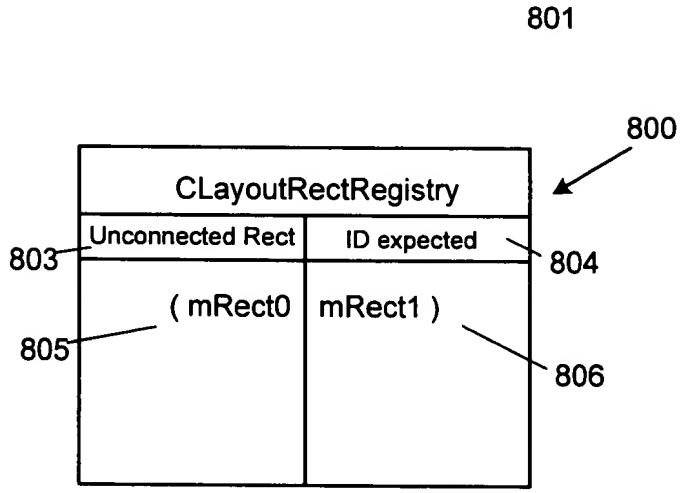

801
800
CLayoutRectRegistry
Unconnected Rect
ID expected
803
804
(mRect0
mRect1)
805
806

FIG. 9

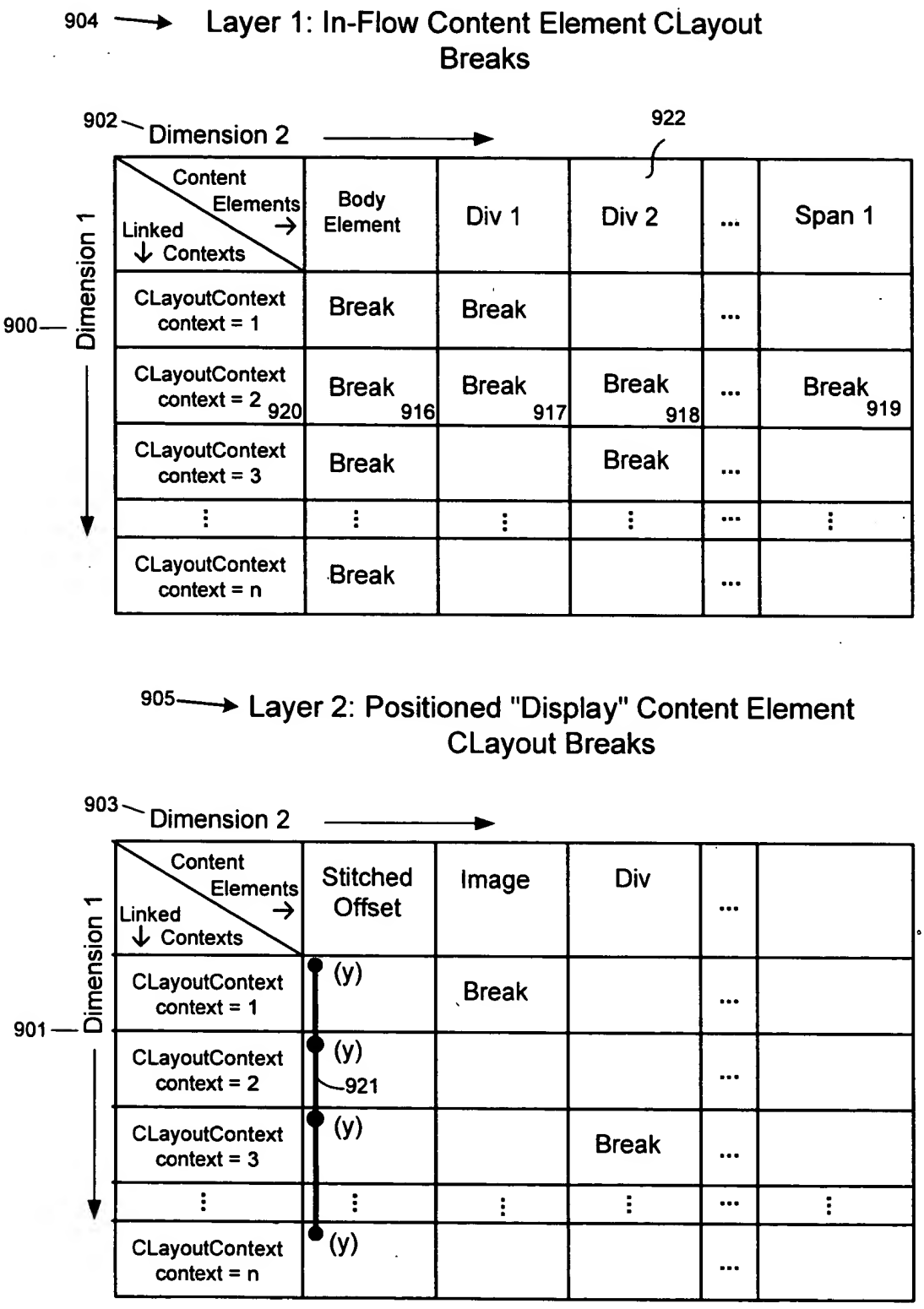

904
Layer 1: In-Flow Content Element CLayout Breaks
902
Dimension 2
922
Content Elements →
Linked ↓ Contexts
Body Element
Div 1
Div 2
...
Span 1
900
Dimension 1
CLayoutContext context = 1
Break
Break
CLayoutContext context = 2
920
Break
916
Break
917
Break
918
Break
919
CLayoutContext context = 3
Break
Break
CLayoutContext context = n
905
Layer 2: Positioned "Display" Content Element CLayout Breaks
903
Dimension 2
Content Elements →
Linked ↓ Contexts
Stitched Offset
Image
Div
901
Dimension 1
CLayoutContext context = 1
(y)
Break
CLayoutContext context = 2
(y)
921
CLayoutContext context = 3
(y)
Break
CLayoutContext context = n
(y)

FIG. 10

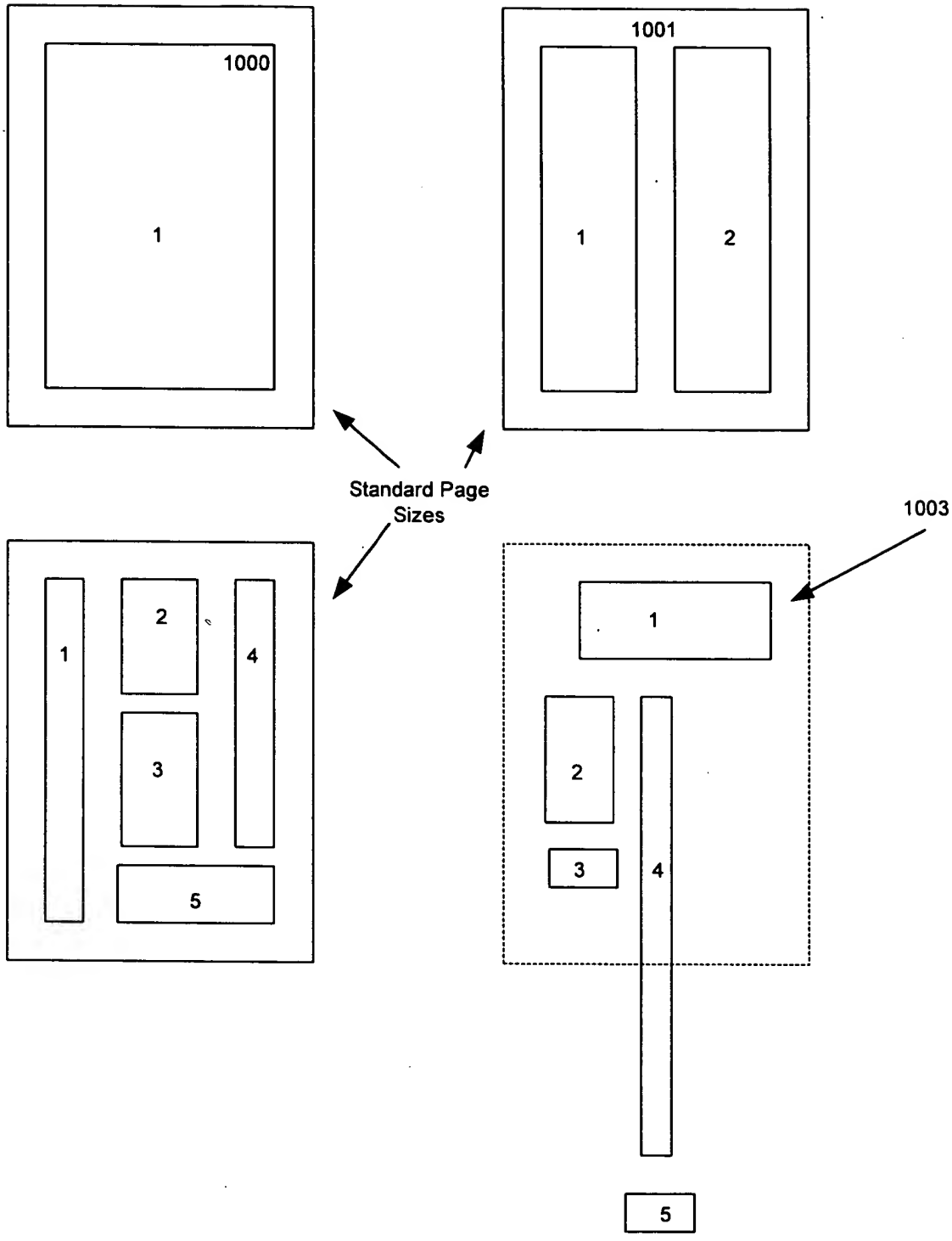


FIG. 11

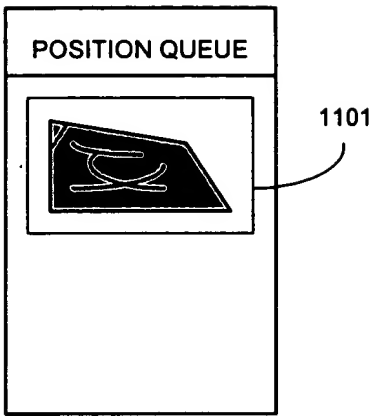
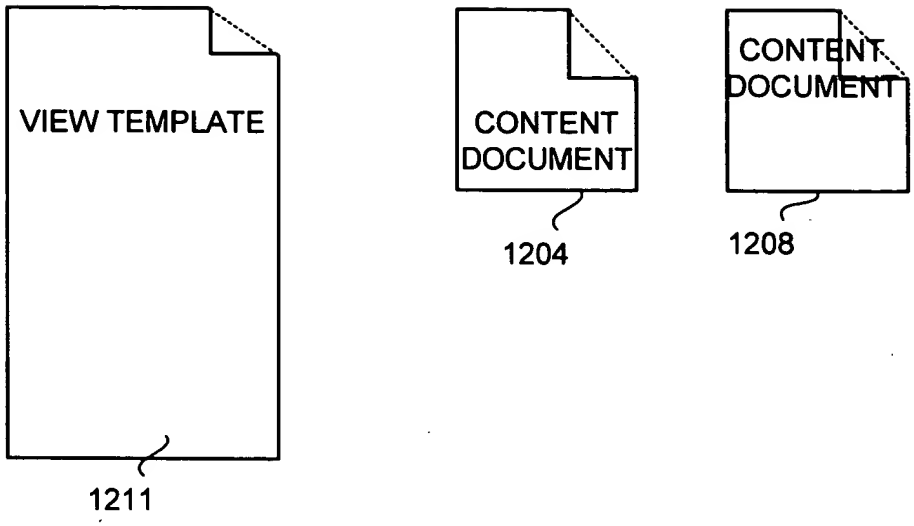


FIG. 12


VIEW TEMPLATE
1211
CONTENT DOCUMENT
1204
CONTENT DOCUMENT
1208

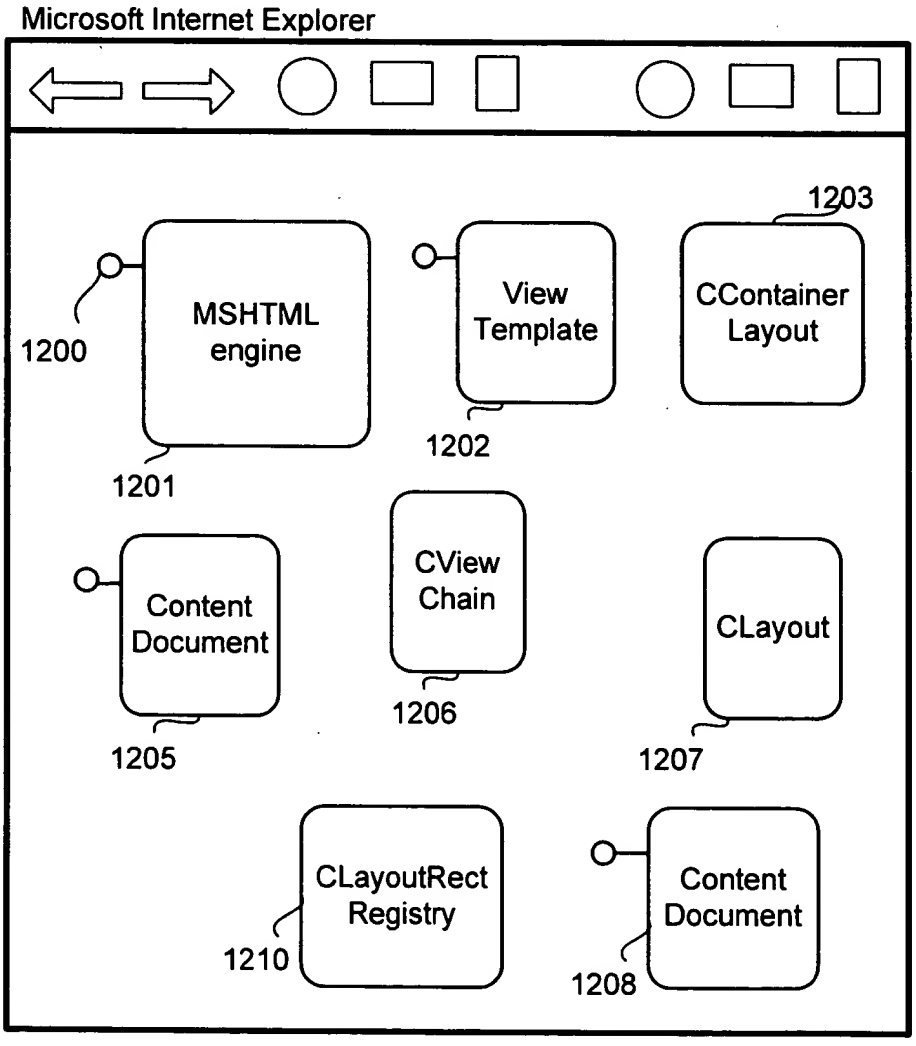
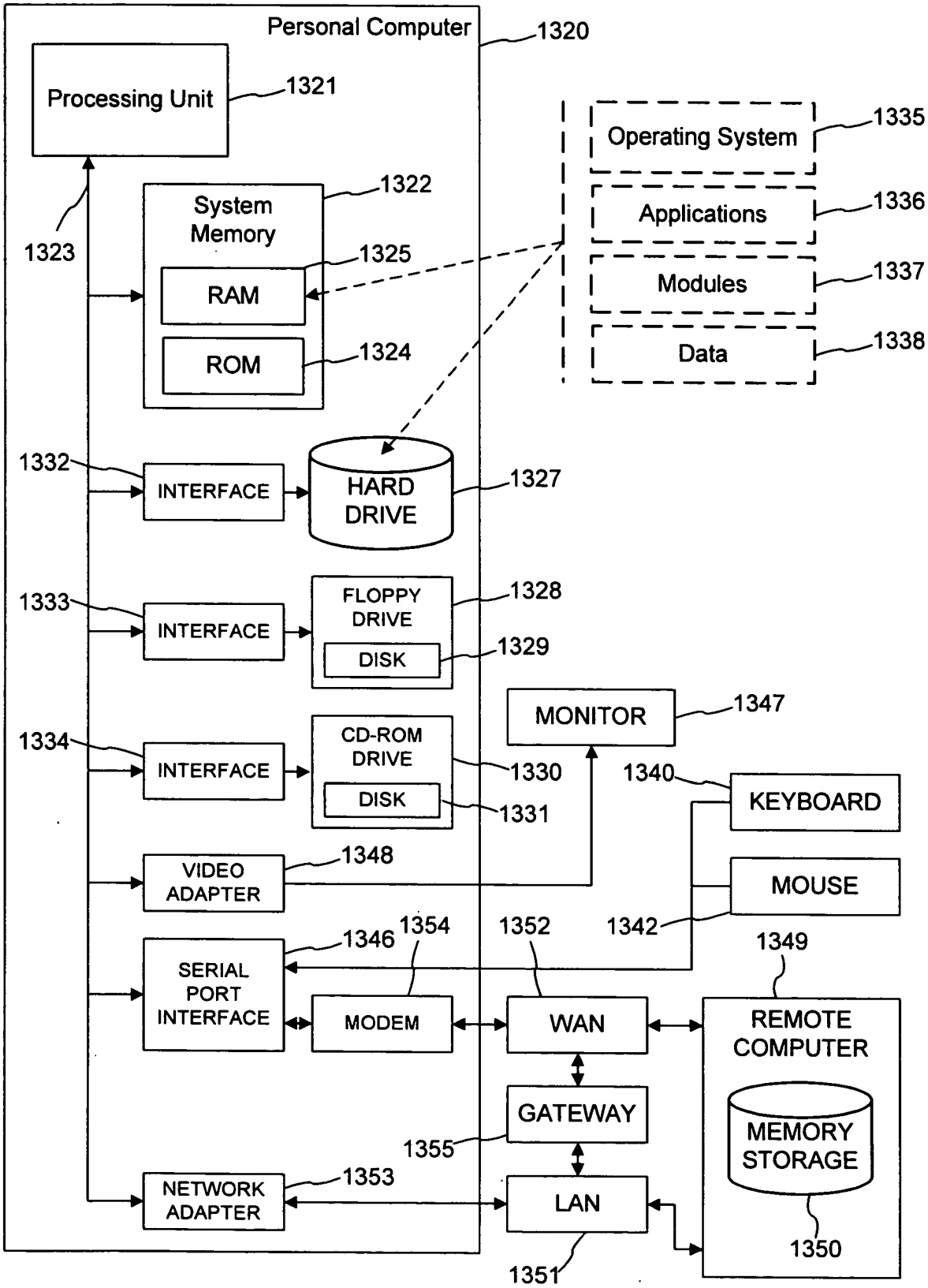

Microsoft Internet Explorer
1200
MSHTML engine
1201
View Template
1202
1203
CContainer Layout
Content Document
1205
CView Chain
1206
CLayout
1207
CLayoutRect Registry
1210
Content Document
1208

FIG. 13


Personal Computer
1320
Processing Unit
1321
1323
System Memory
1322
RAM
1325
ROM
1324
Operating System
1335
Applications
1336
Modules
1337
Data
1338
1332
INTERFACE
HARD DRIVE
1327
1333
INTERFACE
FLOPPY DRIVE
1328
DISK
1329
1334
INTERFACE
CD-ROM DRIVE
1330
DISK
1331
MONITOR
1347
1340
KEYBOARD
MOUSE
1342
VIDEO ADAPTER
1348
SERIAL PORT INTERFACE
1346
1354
1352
1349
MODEM
WAN
REMOTE COMPUTER
GATEWAY
MEMORY STORAGE
1355
NETWORK ADAPTER
1353
LAN
1350
1351